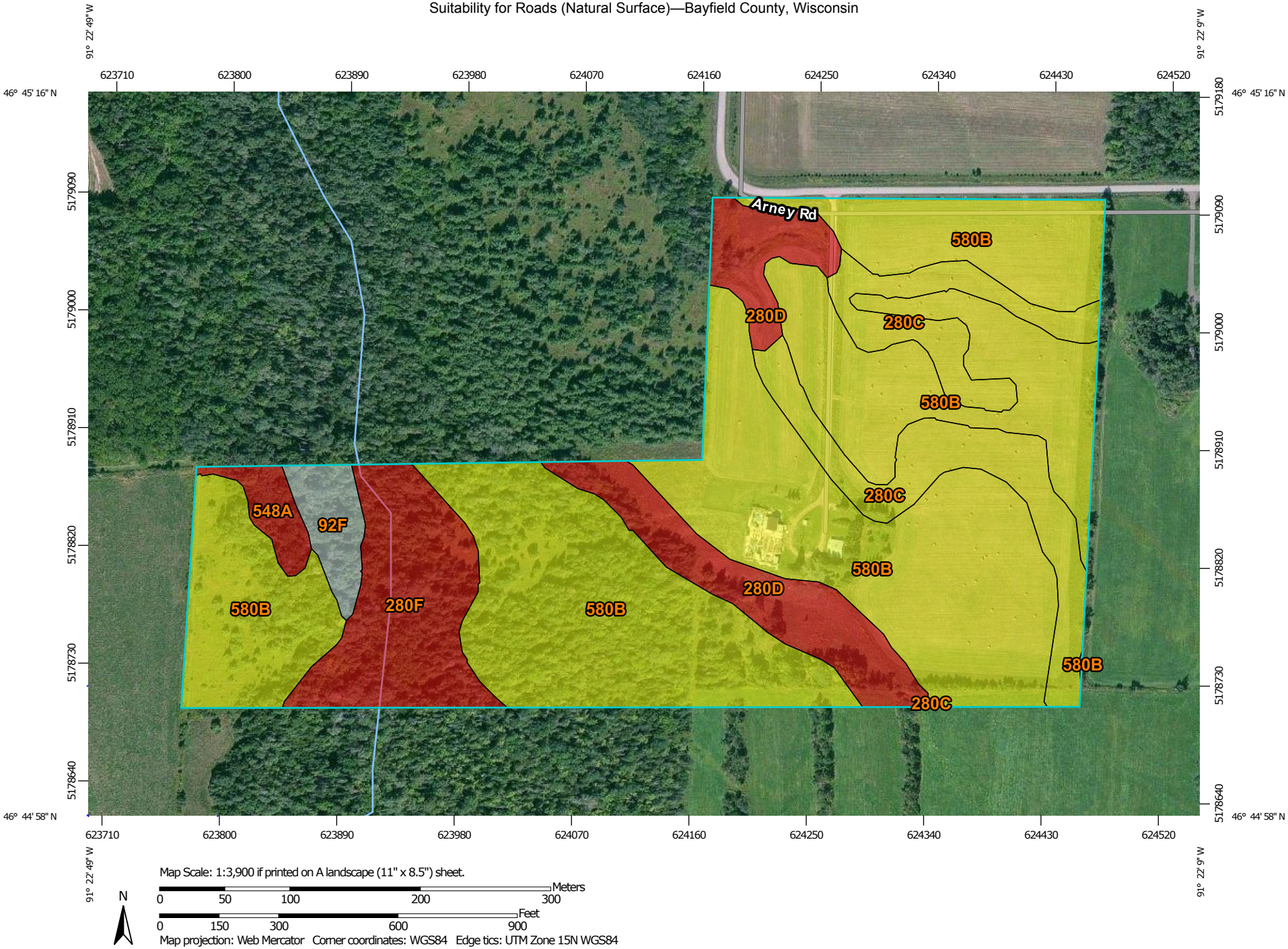
Suitability for Roads (Natural Surface)—Bayfield County, Wisconsin



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Background
- Aerial Photography

Soils

Soil Rating Polygons
- Poorly suited
- Moderately suited
- Well suited
- Not rated or not available

Soil Rating Lines
- Poorly suited
- Moderately suited
- Well suited
- Not rated or not available

Soil Rating Points
- Poorly suited
- Moderately suited
- Well suited
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bayfield County, Wisconsin
Survey Area Data: Version 16, Sep 8, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 9, 2011—Oct 2, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Suitability for Roads (Natural Surface)

Suitability for Roads (Natural Surface)— Summary by Map Unit — Bayfield County, Wisconsin (WI007)						
Map unit symbol	**Map unit name**	**Rating**	**Component name (percent)**	**Rating reasons (numeric values)**	**Acres in AOI**	**Percent of AOI**
92F	Udorthents, ravines and escarpments, 25 to 60 percent slopes	Not rated	Udorthents, ravines and escarpments (85%)		1.1	2.3%
			Moquah (5%)			
			Alcona (5%)			
			Odanah (5%)			
280C	Odanah silt loam, 6 to 15 percent slopes	Moderately suited	Odanah (90%)	Slope (0.50)	5.4	11.4%
				Low strength (0.50)		
280D	Odanah silt loam, 15 to 25 percent slopes	Poorly suited	Odanah (93%)	Slope (1.00)	4.6	9.8%
				Low strength (0.50)		
280F	Odanah silt loam, 25 to 60 percent slopes	Poorly suited	Odanah (95%)	Slope (1.00)	4.3	9.2%
				Low strength (0.50)		
548A	Pickford-Badriver complex, 0 to 3 percent slopes	Poorly suited	Pickford (50%)	Low strength (1.00)	0.7	1.5%
				Ponding (1.00)		
				Dusty (0.02)		
			Badriver (35%)	Wetness (1.00)		
				Low strength (0.50)		
580B	Sanborg-Badriver complex, 0 to 6 percent slopes	Moderately suited	Sanborg (50%)	Low strength (0.50)	30.9	65.8%
				Wetness (0.50)		
Totals for Area of Interest					**46.9**	**100.0%**

Suitability for Roads (Natural Surface)— Summary by Rating Value		
Rating	**Acres in AOI**	**Percent of AOI**
Moderately suited	36.2	77.2%
Poorly suited	9.6	20.5%
Null or Not Rated	1.1	2.3%
Totals for Area of Interest	**46.9**	**100.0%**

Description

The ratings in this interpretation indicate the suitability for using the natural surface of the soil for roads. The ratings are based on slope, rock fragments on the surface, plasticity index, content of sand, the Unified classification of the soil, depth to a water table, ponding, flooding, and the hazard of soil slippage.

The ratings are both verbal and numerical. The soils are described as "well suited," "moderately suited," or "poorly suited" to this use. "Well suited" indicates that the soil has features that are favorable for the specified kind of roads and has no limitations. Good performance can be expected, and little or no maintenance is needed. "Moderately suited" indicates that the soil has features that are moderately favorable for the specified kind of roads. One or more soil properties are less than desirable, and fair performance can be expected. Some maintenance is needed. "Poorly suited" indicates that the soil has one or more properties that are unfavorable for the specified kind of roads. Overcoming the unfavorable properties requires special design, extra maintenance, and costly alteration.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the specified aspect of forestland management (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher